

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ2004/000241

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: A61K 38/43, A23K 1/165

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI, PUBMED, AGRICOLA: Nitrification, urease, inhibit, ruminants, animals

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2002/019809 A, (QUIN, BF), 14 March 2002 Whole document LUDDEN, PA et al. Influence of the novel urease inhibitor N-(n-butyl) thiophosphoric triamide on ruminant nitrogen metabolism: I. In vitro urea kinetics and substrate digestion. J. Anim. Sci., January 2000, vol. 78(1), pages 181-187 Abstract, page 182, col. 1, lines 2-9	1-36
X	LUDDEN, PA et al. Influence of the novel urease inhibitor N-(n-butyl) thiophosphoric triamide on ruminant nitrogen metabolism: II. Ruminal nitrogen metabolism, diet digestibility, and nitrogen balance in lambs. J. Anim. Sci., January 2000, vol. 78(1), pages 188-198 Abstract, page 188, col. 2, lines 1-6	32, 33 and 36
X		32, 33 and 36

 Further documents are listed in the continuation of Box C See patent family annex

"A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
3 December 2004Date of mailing of the international search report
16 DEC 2004Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

M. Ong
Telephone No : (02) 6283 2491

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VAREL, VH et al. Conservation of nitrogen in cattle feedlot waste with urease inhibitors. J. Anim. Sci., May 1999, vol. 77(5), pages 1162-1168 Abstract, col. 2, last paragraph	32, 33 and 36
X	WHITE LAW, FG et al. Urease (EC 3.5.1.5) inhibition in the sheep rumen and its effect on urea and nitrogen metabolism. Br. J. Nutr., September 1991, vol. 66(2), pages 209-225 Abstract	32, 33 and 36
X	BRENT, BE et al. In vitro inhibition of rumen urease with acetohydroxamic acid. J. Anim. Sci., April 1971, vol. 32(4), pages 794-798 Abstract	32, 33 and 36
X	MACKIE, RI et al. Biochemical identification and biological origin of key odor components in livestock waste. J. Anim. Sci., May 1998, vol. 76(5), pages 1331-1342 Page 1339, col. 2, last paragraph	32, 33 and 36

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/NZ2004/000241

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member
WO 02/19809	US 2004011296
	EP 1318719
	AU 200190378

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

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